



## ***KM/CS-3050/4050/5050 Firmware Release Notes***

<b>Subject:</b>	<b>Firmware Update</b>
<b>Model</b>	<b>KM/C-3050/4050/5050</b>
<b>Updated Machines Serial Number:</b>	<b>N/A</b>

**The Combined Firmware is updated to Version 2.20C 09/08**

### **Summary of Changes**

1. Improving panel response.
2. Measure to prevent Panel Lock.
3. Improving the scrolling speed of the Address Book Menu (Scan Function).
4. Measure to prevent a CF423.
5. Measure to prevent a CF42C.
6. Measure to prevent a CF323.
7. Measure to prevent the CD ICON from locking up after changing the setting value from the system menu.
8. Preventing the panel from locking when in Service Mode U067 (Test Mode).
9. Improving security for Samba.

### **Additional Changes**

Preventing a false JAM 80 from displaying at the DF-730 (1000-sheet document finisher)

If the paper stacked on the process tray for the DF-730 is removed before ejecting onto the eject tray, a false JAM80 code may display. This has been corrected.

JAM80: Jam between the finisher and main unit

Measure for a Panel Lockup when copying with the platen cover open

When a copy is made with the platen cover open and after copying operation is completed, if the start key is pressed before the scanning lamp returns to home position, the panel may lockup. This has been corrected. (CF-000)

Measure for C3310 (CIS AGC problem)

If the Upper Cover of the DP is open during the initial DP operation when the power is turned ON or recovering from the sleep mode, a C3310 error code may be detected. This has been corrected.

### ***Firmware Information***

<b>Type</b>	<b>Program No.</b>	<b>Check SUM</b>	<b>Version</b>	
MAIN	2GR_2000.022.001	-----	022.001	Updated
MMI	2GR_7000. 022.001	-----	022.001	
ENGINE	2GR_1000.014.002	-----	014.002	Updated
SCANNER	2GR_1200.005.001	-----	005.001	Updated



## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### ***Fax Firmware Update***

<b>Type</b>	<b>Program No.</b>	<b>Check SUM</b>	<b>Version</b>	<b>Remarks</b>	
FAX BOOT/APL MIX F/W	S3KH_5500.011.001	-----	11.001	F/W provided	Updated



## KM/CS-3050/4050/5050 Firmware Release Notes

### Previous Changes

### The Combined Firmware is updated to Version 2.20 08/08

#### Details of Changes

	Category	Change Item	Remarks
1	Request from the field.	Support for Equitrac system.  (Activation by AC-1 License Key is required.)  AC-1: USB license key to activate Equitrac mode	Change is made to support Equitrac system.  Equitrac system configuration:  Equitrac Office4, Equitrac Express4, Equitrac IC card reader.  During the trial mode, the AC-1 Key is not required.
2	Performance improvement.	Measure for Improved panel response speed	When using the machine continuously for a long period of time, the panel may lock up or the panel response speed may decrease due to memory shortage or damage to the memory. This has been corrected.
3		A font error may occur when printing the data (Unicode spool file) that is output under the SAP environment.	(Example) Font error                      Correct image <div> <div>KÄ%Ä%Ä objednávký</div> <div>SA©riovÄj zÄjkazka</div> </div> <div> <div>Klíč objednávky</div> <div>Sériová zákazka</div> </div>
4		Measure for a partial background image when printing certain PDF data	When printing certain PDF data, the image may be printed with partial background. This has been corrected.
5		Measure for KPDL error	A KPDL error may occur when printing files. This has been corrected
6		Measure for CF33F	A CF33F may trigger when printing with the KX Driver with certain settings. This has been corrected.
7		Measure for CF620	When receiving long size Fax original, a CF620 may trigger. This has been corrected.
8		Change on displaying and resetting a C6020 (abnormally high fuser unit thermistor temperature)	The display and resetting of a C6020 error code (Abnormally high fuser unit thermistor temperature) has been changed as follows. <ul style="list-style-type: none"> <li>- If a C6020 is detected, it will be displayed as a system error and can be reset by turning the power OFF and then ON. (Up to two times)</li> <li>- The third time when a C6020 is detected, it will be displayed as a service call. (It can be reset it in maintenance mode U163.)</li> </ul>



## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### ***Firmware Information***

Type	Program No.	Check SUM	VER.	Remarks	
MAIN	S2GR_2000019009	-----	019.009		Updated
MMI	S2GR_7000019004	-----	019.004		Updated
ENGINE	S2GR_1000013002	-----	013.002		Updated
SCANNER	S2GR_1200004001	-----	004.001		

When upgrading firmware or replacing board, etc., please upgrade each firmware (MAIN, MMI, ENGINE, SCANNER, LANGUAGE) to the latest version at the same time.

### **Support for Equitrac system**

Change is made to support Equitrac system.

1. The new menu (Expansion Authentication) will be added on the User Login screen as shown below after activating the application using the AC-1 License Key. When you select the new menu, you can proceed to the setting to use Equitrac.

[System Menu] key → [User Login/Job Accounting] → (Enter the code) → [User Login Setting] → [Next]  
→ [User Login] → [Change]

Off  
Local Authentication } Existing menu  
Network Authentication }  
Expansion Authentication ← New addition

2. It is possible to add the [trial mode] to System Menu and use as trial without activation by the AC-1.  
[System Menu] key → [Application] → (Enter the code) → [Trial Application] → [Next]

Select [Equitrac] after the [Next] menu to proceed to the Trial Mode.

## ***KM/CS-3050/4050/5050 Firmware Release Notes***

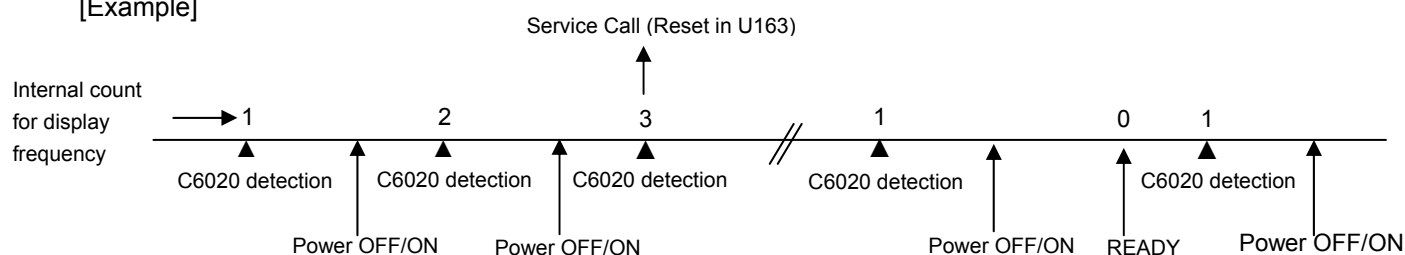
### **Change on displaying and resetting of C6020 (Abnormally high fuser unit Thermistor temperature)**

The displaying and resetting of C6020 (Abnormally high fuser unit thermistor temperature) has been changed as illustrated below.

- If a C6020 is detected, it will be displayed as a system error and can be reset by turning the power OFF and then ON. (Up to two times)
- The third time when a C6020 is detected, it will be displayed as a service call. (Please reset it in maintenance mode U163.)

The number of occurrence will be reset (to "0") when the main unit enters ready mode.

[Example]





## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### ***Fax Firmware Update***

#### **1. Measure for Resetting of Data on the Action List**

When the firmware was upgraded to the last update Ver. 009.001, the data on the following list reset to "0". This has been corrected.

Counter data on Action List  
Error communication history on Error List  
Data on Protocol List

#### **2. Measure to prevent the original from outputting twice**

When receiving multiple pages, the same page may output twice, adding one extra page in total. This has been corrected.

(Example) When receiving two pages, the first page may output twice.  
(Total output : 3)

### ***Firmware Information***

<b>Type</b>	<b>Program No.</b>	<b>Check SUM</b>	<b>Version</b>	<b>Remarks</b>	
FAX APL	-----	-----	3KH_5100010002		Updated
FAX BOOT	-----	-----	3KH_5000009001		
FAX BOOT/APL MIX F/W	S3KH_5500010002	-----	-----	F/W provided	Updated



## KM/CS-3050/4050/5050 Firmware Release Notes

### Previous Changes

#### The Combined Firmware is updated to Version 2.06

##### Details of changes

	Group	Item to be changed	Remarks
1	Request from the field	Adding a Display for the total remaining backup capacity on the FAX BOX screen	When the BU-10 back up kit is installed, the remaining capacity on the FAX BOX screen has been added. In addition, a change is made to display space used per BOX. (See the detail on the following page)
2	Change of specification	Support for Energy Star	The OFF setting on the auto sleep mode has been deleted. <b>Note: Once the firmware is upgraded to this version, if the original setting for the auto sleep mode is "OFF", it will be changed to ON. Default: 8 minutes (If the auto sleep mode was previously set, the setting shall remain the same.)</b>
3		Support when installing a toner container is KM genuine toner but out of specification.	Even if a KM genuine toner container is installed that is not for that model, the following message will display, disabling printing. [Unknown Toner Installed]
4	Improve performance	Support to improve Scanner image quality.	A change is made to the image process filter to improve the Color scanner image with (JPEG, PDF, TIFF). Maintenance mode U470 is added so the setting of compression ratio can be changed. (See the detail on the following page)
5		Correcting U632 (DIS 4BYTE) ON/OFF setting.	The actual operation of maintenance mode U632 (DIS 4BYTE: DIS signal 4 bite fixed) is different from the service manual and other current models and the meaning of the ON/OFF is different from the actual operation. Therefore, it is corrected. (See the detail on the following page)
6		Correcting iFAX RX/Mail print from specific server.	iFAX RX/Mail print can not be received correctly through the specified provider. Therefore, it is corrected. (If the data amount specified by the server and actual data is different, this phenomenon occurs.)
7		Change the FONT size for the JAM code display.	The FONT size of the error code on the JAM screen and Service Call screen is changed from 16p to 24p.
8		Correcting FAX RX that cannot be printed after entering a partial operation mode.	If the cassette used to print the FAX becomes disabled, during FAX RX and there are no other relevant paper sizes available, the machine will now display an out of paper message.
9		Change JOB display when waiting for the Fax re-dial.	During Fax Transmit when waiting re-dial on the JOB, the status screen shows "Sending". It is not possible to recognize if it is actually sending or not and may be recognized as a lockup condition. The status screen message for waiting FAX re-dial is changed from "Sending" to "Waiting".
10		Measure against lock on the FAX RX.	If Print Over Run occurs during the FAX RX print, there may be the possibility that the panel may lockup without showing the error message. This has been corrected.
11		Measure for missing image at the left edge on the specified PCL data.	There is a possibility that the image at the left edge of the print with PCL data may be missing. This has been corrected.
12		Measure against JAM05.	If the amount of the JOB's from the printer becomes large, JAM05 may occur. This has been corrected
13		Measure against panel lockup on the software keyboard.	There may be the possibility that the panel may lockup when opening the software keyboard right after the power is switched ON. This has been corrected



## KM/CS-3050/4050/5050 Firmware Release Notes

### Firmware Information

Type	Program No.	Check SUM	VER.	Remarks	
MAIN	S2GR_2000017014	-----	017.014		← Upgraded
MMI	S2GR_7000017013	-----	017.013		← Upgraded
ENGINE	S2GR_1000012003	-----	012.003		← Upgraded
SCANNER	S2GR_1200004001	-----	004.001		
Fax System (M)	S3KH_5500009001	2951	09001		← Upgraded

#### ■ The Total Capacity for the FAX BOX has been Added

- Displaying the total remaining amount (Free Space in MB) for FAX confidential BOX on the FAX status screen when BU-10 is installed has been added.
- Displaying the used space for each FAX BOX has been added.

**FAX Box**

Free Space : 100.0MB

No.	Box Name	Owner	Used
0001	FAX Box 001	User1	----
0002	FAX Box 002	User2	----
0003	FAX Box 003	User3	----
0004	FAX Box 004	User4	----
0005	FAX Box 005	User5	----
0006	FAX Box 006	User6	----

1/10

Edit Box

Polling Box

Detail Open

Custom Box Job Box Removable Memory FAX Box

status Time for maintenance. 2005/Oct/15 18:00



## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### ■ Support to improve the scanner image quality

JPEG/PDF/TIFF image quality setting (5 steps)

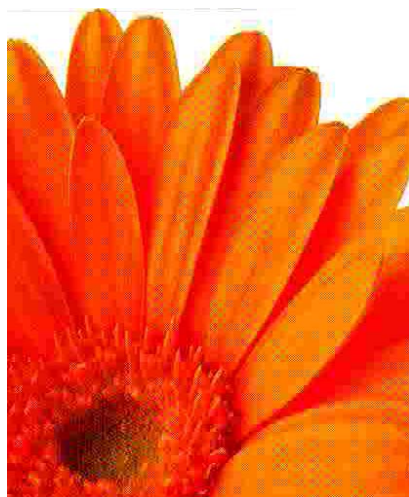
- Change to the image process filter
- U470 [Set JPEG Compression rate] is added to make the compression ratio for each step changeable.

Default setting

Set compression rate	1	2	3	4	5
Old	10	30	50	70	90
New	30	40	50	80	95

Image Sample : Resolution: 300dpi, Compression ratio: 1, TEXT/PHOTO mode

Before change



After change (Noise or moiré are reduced)



### ***Serial Number Information***

	KMA120V	CS
KM-3050	Next production	Next Production
KM-4050	PPJ8407778 and above	PQF8402113 and above
KM-5050	PPK8410890 and above	PQE8402745 and above

\*1: Scheduled to change from the next production



## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### **40GB Hard Drive Discontinued**

The standard 40GB Hard Drive has been upgraded to 80GB.

The RIP area for working memory of the printing job and for saving the macro data is fixed at 1GB.

The remaining 79GB is available for the Document BOX function.

### ***Parts Information***

Ref. No.	Old P/N	New P/N	Description	Q'ty (Old/New)	Intch	S/P
1	7NH3M040G001H01 NH003070	302GR94560 2GR94560	PARTS, STORAGE DEVICE SP	1/1	o/o	o

The 80GB Hard Drive has been implemented in the MFP's with the following serial numbers

#### **KM-3050**

KMA 120V: PPH7707212 and above  
KMA 220V: PMJ7800071 and above  
CS: PQD7702217 and above

#### **KM-4050**

KMA 120V: PPJ7703712 and above  
KMA 220V: PMH7700046 and above  
CS: PQF7701204 and above

#### **KM-5050**

KMA 120V: PPK7706511 and above  
KMA 220V: PMG7900053 and above  
CS: PQE7701471 and above



## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### ***Previous Changes***

**The Firmware is updated to Version 2.05A.**

### ***Firmware Information***

Type	Program No.	Check SUM	Version	Remarks	
MAIN	S2GR_2000016006	-----	016.006		Updated
MMI	S2GR_7000016006	-----	016.006		Updated
ENGINE	S2GR_1000011003	-----	011.003		Updated
SCANNER	S2GR_1200004001	-----	004.001		

**1. Measure for a problem that may occur when selecting the Program Key**

If a scan registration consisting of more than 32 letters is set for a program key and it is first selected after the power is ON, the main unit may lock up. This has been corrected.

**2. Measure for CF620 that may occur when API data is executed**

If multiple status pages are output from the operation panel after API data is executed and printed, CF620 may trigger. This has been corrected.

**3. Measure for Panel Lock**

The operation panel may lock on the original scanning screen. This has been corrected.

The operation panel may lock after opening the detail setting screen from continuous scanning screen. This has been corrected.

A new destination may fail to be added with a message "Check destination" after entering the FAX number. This has been corrected

**4. Measure for CFB2C**

CFB2C may trigger after pressing the start key and touch panel continuously. This has been corrected.

**5. Change to the Transfer Control**

Transfer current may be applied on the drum, outside the correct range. As a measure, the transfer OFF timing is modified.



## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### **6. Measures to prevent a white line**

The following changes are carried out to prevent a white line.

The aging time is shortened.  
T7 mode changed.

### **7. Change to the Fixing Control**

A change is made to the fixing temperature control

### **8. Measure for JAM00 when B5 is set in large capacity deck (PF-750)**

When B5 is set in a large capacity cassette (PF-750) and printing in duplex cover mode, JAM00 (Jam that cannot be specified) may trigger. This has been corrected.



## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### ***Previous Changes***

**The Firmware is updated to Version 2.04D.**

#### **Details of Changes**

Category	Item to be changed	Remarks
Performance Improvement	Measure for a reception failure during FAX communication	1. The machine may lockup in the middle of processing a FAX transmission JOB. When it occurs, the FAX reception may also be disabled. (However, it is possible to make a copy or print). There was a problem with timing when the Transmit call and Receiving call occur at the same time. This is corrected.
	Measure for panel lock up when pressing the one-touch key (Touch panel key does not work.)	If you pressed the one-touch key immediately after switching the screen from the copy detail screen to the Send screen, a panel lock up may occur. This is corrected. (The touch panel key may become disabled after selecting the one-touch key.) This problem occurred with Ver. 2.04C only
	Correction when searching by LDAP	The previous LDAP user search history was shown. It will now be removed.
	Measure for a problem that may occur at Network authentication	When performing Network authentication, Private Print (Job Retention function) may become disabled. This is corrected.
	Support for PDF output	When outputting PDF data that is generated by the KX driver, the certain characters may fail to be printed. Therefore, it is corrected.
Specification Change	Change to the option name that is printed on the status page	[Security Kit] → [Data Security Kit (C)] In order to acquire ISO15408 certification, it is necessary to change the statue page to match the application name.

### ***Firmware Information***

Type	Program No.	Check SUM	VER.	Remarks	
MAIN	S2GR_2000015012	-----	015.012		Upgraded
MMI	S2GR_7000016001	-----	016.001		Upgraded
ENGINE	S2GR_1000010001	-----	010.001		Upgraded
SCANNER	S2GR_1200004001	-----	004.001		Upgraded



## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### ***Previous Changes***

**The Firmware is updated to Version 2.04C.**

#### **1. Panel Speed Performance Improvements**

Copy Menu:

- Opening of the Detail Menu

Send Menu:

- Accessing the Address Book
- Scrolling to the next page
- Selecting next page of One Touch Keys
- Accessing the Touch Keys
- Entry of Fax Numbers

### ***Firmware Information***

<b>Type</b>	<b>Program No.</b>	<b>VER.</b>	<b>Remarks</b>
MAIN	2GR_2000.014.028	14.028	Updated
MMI	2GR_7000.014025	14.025	Updated
Engine	2GR_100.009.001	9.001	Updated
Fax Boot/APL Mix	3KH_5500.007.006	7.006	Updated

## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### **2. Document Box Improvements**

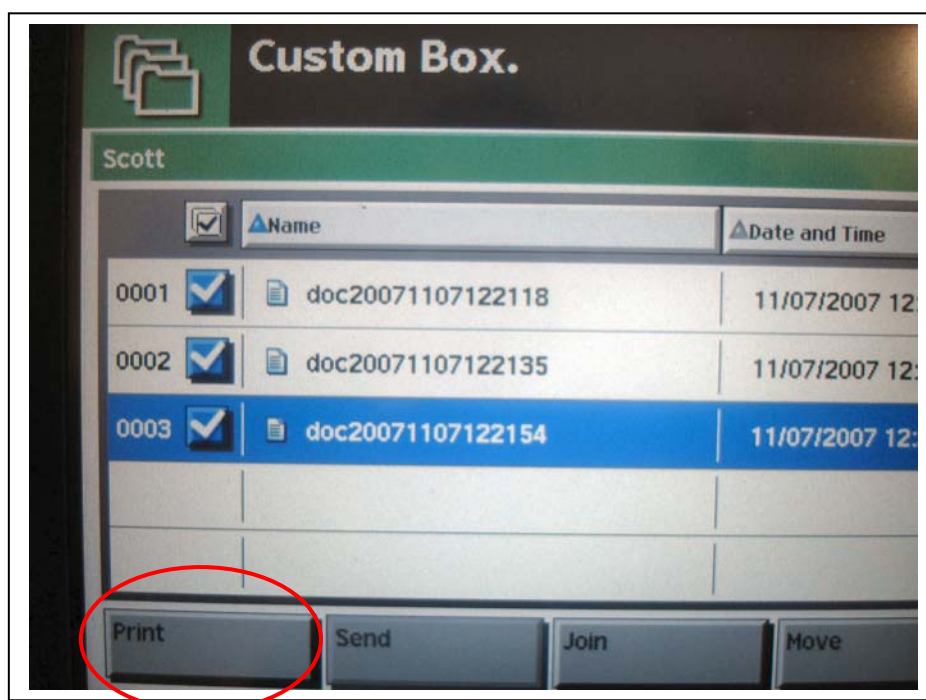
It is now possible to select multiple Jobs when printing from a Custom Document Box.

Limitations when selecting multiple Jobs:

- Booklet, Cover mode and Review are not supported.
- Each JOB History remains individually.
- When restricted Jobs are selected, printing occurs without an error, but finishing settings will not work.

The Print Function is not available when Multiple Documents are selected to Print with previous Firmware.

The example below shows the Print Function is available when Multiple Documents are selected to Print, after upgrading to Version 2.04C Firmware.





## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### Details of other Changes

<b>Change</b>	<b>Details</b>
Time reduction when opening a stored program.	The time it takes for the copy screen to open after selecting a stored program has been improved.
Adding the One touch and Group address on the output list menu (U670)	<p>The ability to print One touch keys and Group address has been added to the menu.</p> <p>The report prints from the Service Maintenance mode U670.</p>
Support of APL filter (Filter Core)	<p>The APL Filter is a function that converts the received print data to the specified code and prints that data.</p> <p>* The setting has been changed from the Command Center. See the Command Center Operation Guide for details.</p>
Host data "RWRF" support	<p>Expansion of "RWRF" command</p> <p>RWRF W: Writing the printable data to HDD and CF Card.</p> <p>RWRF R: Reading of saved data in HDD or CF Card, which was written by RWER W command.</p>
Improvement of LDAP search function	<ul style="list-style-type: none"><li>• Adding the parameters (Common Name, Display Name, E-mail).</li><li>• Change of search result and the sorting method.</li><li>• Adding detail in the search result.</li></ul>
Adding "FAX BULK TX" mode ON/OFF setting (U695)	<p>Addition of release mode for FAX BULK TX, Service maintenance Mode U695.</p> <p>FAX BULK TX: Sending FAX as the batch JOB (Using Timer Transmission). If there are multiple jobs set to send to the same Fax at the same time, they would send as one batch job. The problem is corrected.</p>
Support of Printer reduction mode (Adding R2 parameter)	FRPO R2: reduction parameter 20 - 24
Setup Tool, security support (encryption) Setup Tool is upgraded to Version 1.2.1106	<p>The backup data is now encrypted when exported by the Maintenance mode U917.</p> <p>Note: It is not possible to import the backup data created by an MFP with V2.04B and older to an MFP with V2.04C firmware installed.</p>





## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### **Details of Other Changes (continued)**

<b>Change</b>	<b>Details</b>
The print job locks when receiving a large number of print jobs at the same time.	<p>A one page job is sent to the machine (more than 700 jobs) at once.</p> <p>The speed of receiving data was faster than the process of the printing. The phenomenon has been confirmed with 100BASE-T network environment. The problem is corrected.</p>
Mixed originals of Letter-R/Legal are not able to print from the correct cassette.	When the paper size and media type are selected with "MediaTypeSelection" ON, if the cassette number was selected, it would print from that cassette. The problem is corrected.
Changing the image layout on the FAX TX confirmation report.	<p>The right side of a sent fax image on FAX TX confirmation report was cut off.</p> <p>The entire width of a letter size fax that was transmitted will now display on the confirmation report</p>
CD icon keeps running on panel.	The problem is corrected
CF423 (FAX Manual TX)	When sending a Fax manually with an on-hook condition, CF423 may occur due to a timing error. The problem is corrected.



## KM/CS-3050/4050/5050 Firmware Release Notes

### Previous Changes

The Firmware is updated to Version 2.04B (Update)

Note: The Firmware version is changed from 2.04B to 2.04B (Update)

#### Details of changes

NO		Item	Contents
1	Related to sending	Phenomenon appeared during high volume of send/receive.	C640 may appear when a main power is turned OFF/ON after a high volume of sending/receiving. The problem is corrected.
			CF000 may appear during a high volume of repeated memory transfer.
			CF437 may appear during a high volume of repeated FAX sending.
			The Panel may lock up during a high volume of repeated memory transfer and FAX BOX saving.
			During high volume of sending/receiving, after setting the "Send and store" menu to ON and pressing "Pause All Print jobs" in "Store a copy of document to be sent in a document box", if you make a copy or send a job and press "Resume All print jobs" key, there is a possibility that CF000 or CFB32 may occur. This problem is corrected.
		Network connection	CF000 may appear when the PC side terminates the network connection during job transmitting.
2	Remote diagnostic	Rewiring BOOT in the FAX remote diagnostic program	<p>To make it possible to rewrite a BOOT section in remote diagnostic program, a change is made so that the data transmission in a controller/FAX board is divided at every 2M bytes.</p> <p>&lt;NOTE&gt;</p> <p>To support the above mentioned change, firmware version at FAX side has to be below or above the levels outlined.</p> <p>FAX BOOT/APL MIX F/W    S3KH_5500007006                                   (FAX BOOT        3KH_5000007004)                                   (FAX APL         3KH_5100007006)</p>

### Firmware Information

Type	Program No.	Check SUM	VER.	Remarks	
MAIN	S2GR_2000013009	-----	013.009		← New Upgrade
MMI	S2GR_7000013005	-----	013.005		← New Upgrade
ENGINE	S2GR_1000008001	-----	008.001		
SCANNER	S2GR_1200003001	-----	003.001		

When the above-mentioned Phenomenon occurs or whenever necessary, please upgrade firmware. When doing so, upgrade all types at the same time. Please instruct users not to turn OFF a Main SW while a machine is writing the data into HDD.



## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### ***Previous Changes***

**The Firmware is updated to Version 2.04B**

A Setup Tool Utility is updated to Version 1.1.0627 to include Import/Export/Creation/Editing of One-touch keys, User Authentication, User List, Document Box, Shortcut and Program data, in addition to Address Book and Job Accounting features on the 3050/4050/5050 MFP's.

The Setup Tool Utility Ver. 1.1.0627 (KMSetupTool.exe) is available for download on KMAconnect.

A Firmware Upgrade is required to allow operation of the updated Setup Tool. The Firmware is upgraded to Version 2.04B. The zip file can be downloaded from KMAconnect, must be unzipped and placed on a USB Flash Drive or Compact Flash Card for updating.

### ***Firmware Information***

<b>Type</b>	<b>Program No.</b>	<b>VER.</b>	<b>Remarks</b>
MAIN	2GR_2000.012.011	12.011	Updated
MMI	2GR_7000.012.013	12.013	Updated
Engine	2GR_100.008.001	8.001	Updated

**Important: DO NOT downgrade Firmware from Version 2.04B to 2.04A or below. Hard Drive formatting would be required and all data would be lost.**



## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### **1. Maintenance Mode U917, Read/Write Backup HDD Data (USB)**

Maintenance Mode U917 allows you to Import/Export the data for the Address Book, Job Accounting to a USB Memory Stick. **In addition, One Touch Keys, User List and Local Authentication can now be exported.**

Two files will be available for the Address Book.

- 2GR\_AD1 (Personal Address Book)
- 2GR\_AD2 (Group Address Book)

Two files will be available for Job Accounting.

- 2GR\_AC1 (Account List)
- 2GR\_AC2 (Job Account Settings)

One file will be available for the One Touch Key.

- 2GR\_OT (One Touch Key)

One file will be available for the User List.

- 2GR\_UA1 (User List)

One file will be available for the Local Authentication.

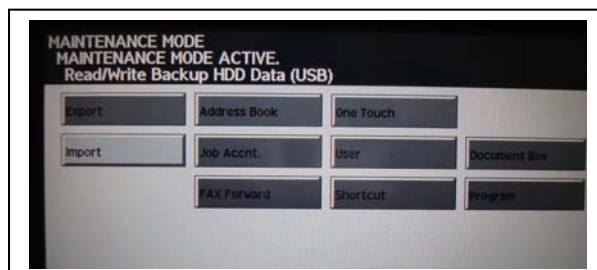
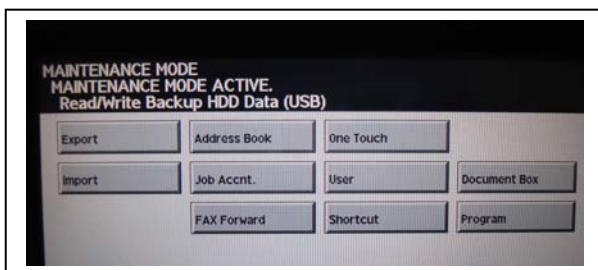
2GR\_UA2 (Local Authentication)

Some files that are automatically downloaded cannot be edited and are for backup purposes only. These include **Document Box, Shortcut and Program Data.**

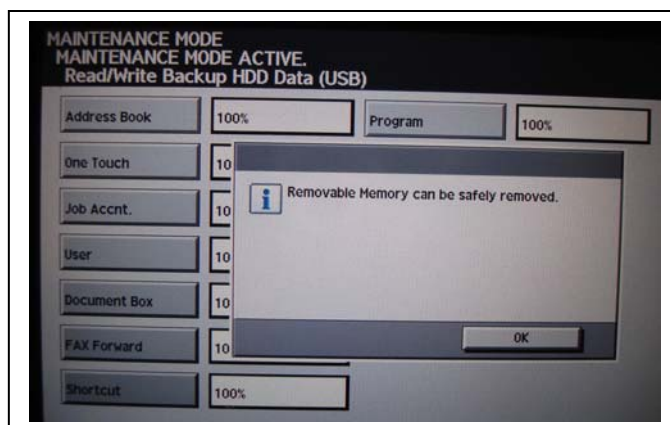
## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### ***Procedure***

1. Insert the Memory Stick into the 3050/4050/5050 USB slot.
2. Press the Status/Job Cancel button and enter Maintenance Mode (1087, 1087).
3. Enter U917.
4. Press Export and select the categories you would like. Multiple selections can be exported at one time. All files can be exported or imported from the same USB Memory Stick.



5. Press the Start Key. Once the status reaches 100%, a screen will automatically appear instructing you that the "Removable Memory can be Safely Removed".



6. Exit maintenance mode.

### **Editing the Data**

1. Download the Setup Tool Version 1.1.0627 (KMSetupTool 1.1.0627.exe) from KMAconnect.
2. Insert the Memory Stick into the USB slot on your PC.
3. Access the Memory Stick.
4. Open the file to edit.

See the Setup Utility Operation Guide Version 2 posted on KMAconnect for Operation Details.



## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### ***General Improvements***

<b>Area Improved</b>	<b>Details</b>
Panel Performance	Panel performance access has been improved when power is switched OFF/ON.
	Panel Performance has been improved with the display of the Address Book.
Operation	The Operation of the Stop Key is changed so it can be set from the System Menu Reserve or Next Priority
	The number of steps has been reduced for Shortcut and Program registration.
	Interrupt Key has been added to the top right side of the touch panel
	A Return to Top Key has been added to the System Menu which will function as a return to main menu.
Service Simulation	Simulation U917, IMPORT/EXPORT setting for One-Touch, User Authentication, Document Box, Shortcut, and Program registration has been added.
	Setup tool Utility is upgraded to support the added features in Sim U917.
Issues reported from the field	Measure to prevent an error code CF000 or CF620 when a print job is sent and the MFP is warming up from sleep mode.
	HDD file system was changed from version 2 to version 3. Improvement of HDD recovery system from the data damage due to turning OFF the power switch during HDD access. *Note) When downgrading the firmware to older version from this version, it is necessary to perform formatting HDD (U024)



## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### ***Previous Changes***

The Firmware is update to 2.04A

A Setup Tool Utility is now available to allow ease of data entry for the Address Book and Job Accounting features on the 3050/4050/5050 MFP's.

The Setup Tool Utility was created to register an Address Book or Job Accounting Users at your PC rather than from the operation panel of the MFP. The files can be transferred to a USB Flash Drive (Memory Stick) and imported to the MFP during initial setup, exported at any time for editing or saved as a backup. The Setup Tool Utility (KMSetupTool.exe) is available for download on KMAconnect.

A Firmware Upgrade is required to allow operation of the Setup Tool. The Firmware is upgraded to Version 2.04A. The zip file can be downloaded from KMAconnect, must be unzipped and placed on a USB Flash Drive or Compact Flash Card for updating.

### ***Firmware Information***

<b>Type</b>	<b>Program No.</b>	<b>VER.</b>	<b>Remarks</b>
MAIN	2GR_2000.010.012	10.012	Updated
MMI	2GR_7000.010.013	10.013	Updated

## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### **1. Addition of Maintenance Mode U917, Read/Write Backup HDD Data (USB)**

Maintenance Mode U917 allows you to Import/Export the data for the Address Book or Job Accounting to a USB Memory Stick.

Two files will be available for the Address Book.

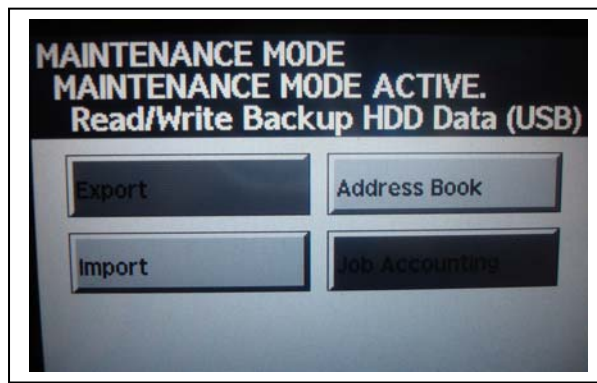
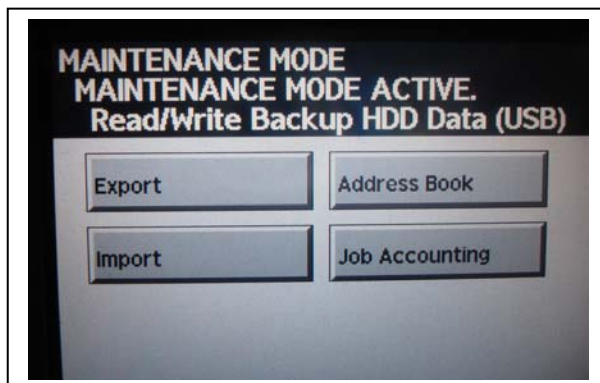
- 2GR\_AD1 (Personal Address Book)
- 2GR\_AD2 (Group Address Book)

Two files will be available for Job Accounting.

- 2GR\_AC1 (Account List)
- 2GR\_AC2 (Job Account List)

### ***Procedure***

7. Insert the Memory Stick into the 3050/4050/5050 USB slot.
8. Press the Status/Job Cancel button and enter Maintenance Mode (1087, 1087).
9. Enter U917.
10. Press Export and press Address Book or Job Accounting button. Only one selection can be exported at a time. All files can be exported or imported from the same USB Memory Stick.



11. Press the Start Key. Once the status reaches 100%, press the Stop Key.
12. Exit maintenance mode.
13. From the Device Communication Tab, press "Remove" and "OK" to safely remove the Memory Stick.

### **Editing the Data**

5. Download the Setup Tool (KMSetupTool.exe) from KMAconnect.
6. Insert the Memory Stick into the USB slot on your PC.
7. Access the Memory Stick.
8. Access one of the four reference files to edit.

See the Setup Utility Operation Guide posted on KMAconnect for step by step instructions.





## KM/CS-3050/4050/5050 Firmware Release Notes

### Precaution when Adding or Editing an Address

When Adding or Editing an Address from the 2GR\_AD1 (Personal Address Book) in the Setup Tool, the first Tab that requires data entry is the Identification Tab. It is mandatory that two fields be filled in, the Name and the Category Flag.

The Category Flag field is provided to allow all data input into each Tab be viewed once imported to the MFP. A number must be input into this field if you add information to any of the remaining five tabs (Fax, FTP, SMB, E-mail or Internet Fax). The range is 0 ~31.

Example: If you input data into the Fax Tab, Internet Fax Tab and SMB Tab, add “1+4+8” with reference to the chart. The total of these numbers is “13”. Thirteen is the number you would enter in the Category Flag field under the Identification Tab, so data input into each of these Tab's would display on the MFP.

**Kyocera recommends inputting “31” in the Category Flag Field. This will allow ALL data entered on any of the Tab's to display.**

**Note: If the Category Flag Field is left at “0”, the entry that is created will not display on the operation panel of the MFP.**

Category Flag chart

0: None
1: Fax
2: Mail
4: Internet Fax
8: SMB
16: FTP



## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### **2. Change to the Operation when the Stop Key is pressed in Copy Mode.**

You can change the Stop Key Operation from the following System Menu.

SYSTEM MENU > COPY > RESERVE NEXT PRIORITY > ON/OFF

- ON Default: When "Stop key" is pressed, the status menu opens and holds the current JOB.  
You can cancel or continue.
- OFF During the copy job a "Reserve next" button appears at the bottom right. If the "Stop key" is pressed, the current copy job will be canceled.

### **3. Falcon3, X9 Parameter: bit = 0/ 1**

By comparison, based on HP-4000/8000 parameter)

Source cassette selection using PCL Esc (Esc&I#H) can be set by X9 parameter

X9 bit "1" (paper source selection) can be referenced below.

Value of #	Bit 1 = "0 " (default)	Bit 1 = "1 " (HP-4000/8000 compatible mode)
0	Current cassette	Current cassette
1	CASS 1	CASS 1
2	MPTRAY	MPTRAY
3	MPTRAY	EF
4	CASS 2	MPTRAY
5	CASS 3	CASS 2
6	EF	EF
7	Auto	Auto
8	-----	CASS 3
20	CASS 4	CASS 3
21	CASS 5	CASS 4
22	CASS 6	CASS 5
23	-----	CASS 6
100	MPTRAY	MPTRAY
101	CASS 1	CASS 1
102	CASS 2	CASS 2
103	CASS 3	CASS 3
104	CASS 4	CASS 4
105	CASS 5	CASS 5
106	CASS 6	CASS 6
199	EF	EF

## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### ***General Improvements***

<b>Area</b>	<b>Changes</b>	<b>Description</b>
Panel Operation Improvements	Changing the operation flow when the Stop key is pressed. <b>(in Copy mode)</b>	
	Adding a mode which enables you to cancel a JOB in 1 step	It is now possible to switch the mode from the system menu
	Auto Continue in Cancel menu	Automatically closes the Cancel menu in 60 seconds, which displays by pressing the Stop key.
	Change of the icon in Duplex mode (Accessibility)	Change of the Duplex icons in Accessibility Menu to match the Normal Menu.
	Reducing the number of the Steps	
	Original orientation menu ON/OFF setting	It is now possible to switch the setting from system menu
	Reducing the number of steps for Short cut registration	The confirmation display has been deleted before opening software key board
	Reducing the number of steps for Program registration	Copy menu or Send menu - The Copy/Send confirmation display has been deleted when moving from Copy/Send menu to Program registration menu. - The confirmation display has been deleted before opening software key board.
	Setting of the default menu at start up. (From Common Settings>Default Screen Copy	
	Set User Defaults (Accessibility) menu at start up (copy/send)	It is now possible to switch the setting from system menu
	Set Application menu at start up	It is now possible to switch the setting from system menu
	The change of the flow in status menu (Copy -> Print tab, Send -> Send tab)	When switching from Copy menu to Status menu, the printer tab will open. When switching from Send menu to Status menu, the send tab will open.
General	Support of FRPO X9 parameter	Support of FRPO X9 bit1
	FAX/SEND result report	The Fax RX Result Report is now a separate Report function. (Result report : System menu)



## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### ***Error Codes Fixes***

CF26F occurred after Book>Booklet copy is performed.
[FAX] The machine may not come to Ready from Sleep mode when doing FAX forwarding while the machine is in an error condition.
[FAX] CF000 occurred when doing FAX forwarding.
[FAX] CF46F occurred when canceling FAX forwarding job.
[FAX] During FAX forwarding, the communication stops and the power button may not be activated. (After powered OFF/ON a CF414 occurred.)
[FAX] CF423 occurred when doing FAX forwarding while the machine is in error condition.
The network may become off-line when drawing out the cassette while the machine is in a low toner condition.
CF444 occurred when the original is saved into the User BOX from Document Processor.
Job separation (Output) and Rotation image are set and printed, but the print image hasn't rotated.



## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### ***Previous Changes***

#### ***Speed Improvements to Frequently used Keys***

<b>Operation</b>	<b>Firmware Version 2.03B</b>
Auto reset	Automatic Return to Main screen response time improved after job is finished.
Switch function w/ hard key	Hard key switching improved. (Copy Key, Send Key, Document Box Key, Status/Job count Key, Program Key, Application Key)
Function setting ex. Staple / Punch	LCD Panel Key switching improved. (Staple/Punch, Zoom, Collate, etc.)
Address book (access)	Address Box access is improved. (Press SEND Key > Press ADDRESS BOOK)
Reset key	Return to Main screen response time improved
Logout (Copy management)	Response time improved
Return from system Menu to main screen	Response when switching from System Menu to Main Screen is improved

### ***Firmware Information***

<b>Type</b>	<b>Program No.</b>	<b>VER.</b>	<b>Remarks</b>
MAIN	2GR_2000.008.025	8.025	Updated
MMI	2GR_7000.009.001	9.001	Updated
ENGINE	2GR_1000.006.002	6.002	Updated
SCANNER	2GR_1200.003.001	3.001	Updated
FAX BOOT/APL MIX F/W	3KH_5100.005.008	5.008	Updated



## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### ***Features added or Improved***

<b>Category</b>	<b>Function</b>	<b>Details</b>
COPY	Update Preview Function	The output image can be viewed in the original output image preview function before printing
FAX	Dual Line Fax	Dual FAX communication is available by installing Fax System (M) x 2
FAX	Internet Fax	Support for Internet FAX T.37 Simple/Full Mode
FAX	Polling Fax Function	Support for Polling TX & RX
FAX	Quick dialing function on timer controlled FAX JOB	Enable quick dialing function on timer controlled FAX JOB
FAX	Add file name on Memory Forward mode	Destination FAX number can be added to the File name (E-mail/PC) when forwarding memory
SEND	Scan to Multi Send and Print	Support for Multi Send and Printing at the same time
SEND	Scan to Multi Send and Document Box save	Support for Scan to Multi Send and saving in the Document Box at the same time
SEND	SMB Authentication support for Scan to SMB	A problem is corrected where Scan to SMB could not be used for the shared folder on a Windows 2003 Server
SEND	ACS(Automatic Color Selection) support on High Compression PDF mode	ACS function will automatically operate with High compression PDF when 768MB or more memory is installed
LDAP	Specification improvement of LDAP	Corrected the problem that the destination can not be displayed when "cn" information is not available in the attribute column by the result of LDAP search
BOX	Document Box Preview Function on User Box and Fax Box	Support for Preview Function on User Box and Fax Box
JOB	Support for changing the order on a Print Job	Job priority can be changed for the job waiting to print
SECURITY	Support to disable USB Host ports	Allows you to disable/enable the MFP's USB Ports.(This setting can only be changed from the Command Center)
PANEL	Numerical Key input on software keyboard menu	Numerical Key can be used when software keyboard menu is displayed
PANEL	Addition of useful keys on software keyboard interface	Addition of "@", "!", "_ " and "." keys
PANEL	Addition of Reference Button on Account Management Mode	Each counter for the department can be checked when inputting accounting codes



## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### ***Previous Changes***

#### **Summary of Changes**

##### **-Main Unit**

1. Supporting Form for Form Overlay in the Document Box
2. Correcting problems when inputting the number and space in the FAX No. Entry
3. Preventing a system error CF4xx from occurring when the Main power is turned OFF
4. Correcting the APS error when the offset is set.
5. Correcting a problem with parallel printing where it cannot be performed after the error occurs.
6. Unable to delete PRESCRIBE macro written in HDD.
7. Correcting a problem that may occur after changing the default value in the SYSTEM MENU
8. Authorizing the SYSTEM INITIALIZE" in the SYSTEM MENU

##### **-FAX**

9. Preventing a transmission error from occurring to certain fax machines
10. Preventing a transmission error from occurring when sending several documents with different resolutions at the same time.
11. Correcting a problem that occurs with the controller communication of the KM-3050/4050/5050.

#### ***FIRMWARE INFORMATION***

Type	Program No.	Check SUM	VER.	Remarks	
MAIN	<a href="#">S2GR_2000005010</a>		<a href="#">005010</a>		<a href="#">← Updated</a>
MMI	<a href="#">S2GR_7000005009</a>		<a href="#">005009</a>		<a href="#">← Updated</a>
ENGINE	S2GR_1 000003001		003001		
SCANNER	S2GR_1200003001		003001		
FAX BOOT/APL MIX F/W	<a href="#">S3KH_5500004006</a>				<a href="#">← Updated</a>
FAX APL			<a href="#">3KH_5100004006</a>		<a href="#">← Updated</a>
FAX BOOT			<a href="#">3KH_5000004003</a>		<a href="#">← Updated</a>

Note: The Fax APL & Fax BOOT is available a one (1) Upgrade file (FAX BOOT/APL MIX F/W) posted on KMAconnect.

When upgrading firmware or replacing board etc., please upgrade all firmware (MAIN, MMI ENGINE, SCANNER, etc.) to the latest versions posted on KMAconnect.



## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### **3050/4050/5050 Details of Changes**

<b>NO</b>	<b>Item</b>	<b>Contents</b>
1	Supporting Form for Form Overlay in the Document Box	Form for Form Overlay that was disabled in the document box is available.
2	Correcting problems that occur when inputting a fax number and space from the FAX No. Entry	<p>At the FAX No. Entry, if the fax number that includes a space is entered, the following errors occur. They are corrected.</p> <ol style="list-style-type: none"><li>1. When sending, a transmission error triggers.</li><li>2. If pressing the "Add to Address Book" after entering the number in the field at the FAX No. Entry to add to the address book, an error message will appear and the machine may interpret it as an incorrect data. When the main power is turned ON, the machine can neither initialize the FAX nor recognize it correctly*, disabling the Fax. (*: Fax icon in the SYSTEM MENU will not be displayed.)</li></ol> <p>(If inputting the fax number directly to the ADDRESS BOOK, no problem occurs when a space is used.)</p> <p><b>[Corrective Action]</b> <b>-If the above errors occur, delete the data that failed to be registered from ADDRESS BOOK and turn the main power OFF and then ON.</b></p>
3	Preventing a system error CF4xx from occurring when the Main power is turned OFF	<p>When a failure to write data into HDD occurs because the machine is turned OFF while the data is being written, if the partial data is accessed later, a system error CF4xx will trigger. The following change is made to solve the problem.</p> <p><b>[Contents of Change]</b> As a measure to prevent the system error from occurring, the data will be deleted if the power is turned OFF.</p>
4	Correcting the APS error when the offset is set.	When the APS error occurs in the offset mode and the paper is being fed from different cassette, "Cannot offset this paper type" may display. It is corrected.
5	Correcting the problem with parallel printing that cannot be performed after an error occurs.	When printing from the parallel port and an error (paper empty) occurs, even after following the instructions on the operation panel to clear the error and press the "Continue" tab, the printing may not be able to continue. It is corrected.
6	Unable to delete PRESCRIBE macro written in HDD.	If the file name of the PRESCRIBE macro is in capital letters and within 10 letters, it cannot be deleted after being written into HDD. It is corrected.
7	Correcting a problem that may occur after changing the default value in SYSTEM MENU	After changing the default value in the SYSTEM MENU, an operation error may occur to another function whose setting remained the same as before. It is corrected.



## ***KM/CS-3050/4050/5050 Firmware Release Notes***

### **3050/4050/5050 (continued)**

<b>NO</b>	<b>Item</b>	<b>Contents</b>
8	Authorizing the SYSTEM INITIALIZE function in the SYSTEM MENU	A change is made so when "SYSTEM INITIALIZATION" is selected from SYSTEM MENU 4 ADJUSTMENT/MAINTENANCE screen, a dialog prompting the operator to enter the user name and password authorized by administrator to enter is displayed.

### **Fax System (M) Details of Changes**

<b>NO</b>	<b>Item</b>	<b>Contents</b>
9	Preventing a transmission error from occurring to a certain fax machine	<p>The transmission may fail on certain fax machines unless the transmission speed is 4800bps. It is corrected as follows.</p> <p>[Contents of Change]</p> <p>A new software Switch is added to transmit with 4800bps when the transmission start speed is set to 9600bps. The following are the conditions when it becomes effective. -</p> <p>The fax number is directly entered from the FAX No. ENTRY menu and 9600bps is set on the transmission start speed entry screen.</p> <p>-The fax number is entered from the address book and 9600bps is set when registered to the address book.</p> <p>U699 (Software SW) 042 bit4 Addition of "4800bps transmission when low speed (9600bps) is set"</p> <p>0: Disabled (Send with 9600bps) → Default Value 1: Enabled (Send with 4800bps)</p>
10	Preventing a transmission error from occurring when sending several documents with different resolutions at the same time.	<p>When sending several documents with different resolutions at the same time, if a transmission error occurs in the middle of changing the resolution after the first document is sent, a CF463 may trigger. It is corrected.</p> <p>(When the CF463 triggers, please turn the main power OFF and then ON.)</p>
11	Correcting a problem that may occur with the controller communication of the KM-3050/4050/5050.	<p>This problem may occur as a result of a change in control by the main unit F/W upgrade this time (*).</p> <p>[Problem]</p> <p>After receiving 470 pages with substitute FAX, its memory may become full even if it can answer.</p> <p>[Change]</p> <p>Change is made to match the specification so more than 700 pages of a specified original can be received.</p> <p>(*) Note that the problem above does not occur if the main unit firmware is older than this version.</p>



## KM/CS-3050/4050/5050 Firmware Release Notes

### Previous Changes

#### Details of changes

	Item	Remarks
1	Adding the retry process to detect the home position	A retry process for the home position detection is newly added as a measure for a false C3100 detection at the production line. (If the machine falsely detects that the home position SW is OFF when it is actually ON while running the production line QA simulation and finishes the operation, when it is checked afterward, the machine will correctly detect that the SW is ON. As this conflicts with the last “false” detection as “OFF”, an error code C3100 “Scanner carriage problem” may trigger.)
2	Correcting the problem that the PC does not recognize the 3050/4050/5050 when connecting them with a USB cable	In some cases, the PC does not recognize the 3050/4050/5050 when they are connected using a USB cable or printer cable. This is corrected. (If the PC does not recognize the MFP, please turn the main switch OFF and then ON.)
3	Measures for CF46F during the FAX RX	When turning the setting ON to display the RX date and time, in rare occasions, CF46F is detected during the FAX RX. Therefore, it is corrected. (The above-mentioned phenomenon may occur if the remaining amount of data using the data processing unit of sub scanning direction and the amount of the data in the RX data and time section are the exactly same.) (If the above-mentioned phenomenon occurs, sometimes it is necessary to initialize the HDD (U024).)

Type	Program No.	Check SUM	VER.	Remarks	
MAIN	<a href="#">S2GR_2000004002.zip</a>	----	004002		← Upgraded
MMI	<a href="#">S2GR_7000004036.zip</a>	----	004036		
ENGINE	<a href="#">S2GR_1000002005.zip</a>	----	002005		
SCANNER	<a href="#">S2GR_1200003001.zip</a>	----	003001		← Upgraded

When upgrading firmware or replacing board, etc., please upgrade each firmware (MAIN, MMI, ENGINE and SCANNER, etc.) to the latest versions posted on KMAconnect.